

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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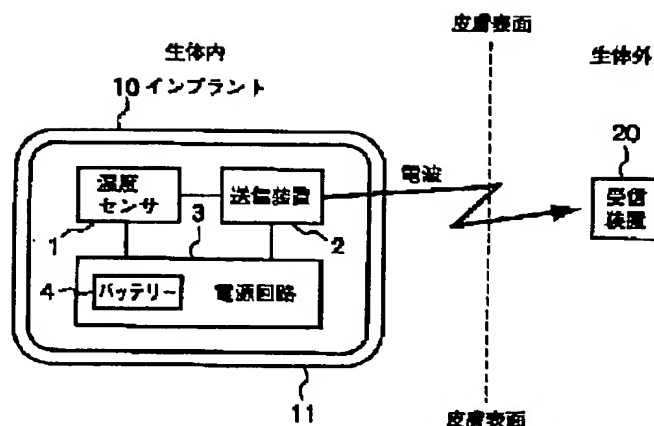
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G08C 17/00

TITLE : TEMPERATURE MEASURING DEVICE  
AND IMPLANT



ABSTRACT : PROBLEM TO BE SOLVED: To provide an internal indwelling minimum implant eliminating the lead wires of a measuring instrument measuring in vivo information, receiving the radio waves transmitted from an oscillator to obtain the information, and capable of being locally heated via the radiation of an external electromagnetic field and to provide a temperature measuring device.

SOLUTION: A temperature sensor 1 made of an oscillator using a transistor having the frequency characteristic of the output signal changed depending on temperature, a transmitter 2 transmitting the signal outputted from the temperature sensor 1, and a power circuit 3 feeding power to the temperature sensor 1 and the transmitter 2 are stored in a capsule-shaped case 11 to form an implant 10. This system is constituted of an external receiver 20 receiving the signal outputted from the transmitter 2 of the implant 10 buried in vivo and the implant 10.

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